

Please type a plus sign (+) inside this box. **+ 2000**

PTC/S8/08A (10-96)

Approved for use through 10/31/99. OMB 0651-0031
GSA Office of U.S. REPRESENTATIVES

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(use as many sheets as necessary)</small>		Complete If Known	
		Application Number	09/481,814
		Filing Date	January 11, 2000
		First Named Inventor	Hwang et al.
		Group Art Unit	
		Examiner Name	
Sheet	15	of	2
		Attorney Docket Number	

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

sheep

1

2

Complete If Known

Application Number	09/481,814
Filing Date	January 11, 2000
First Named Inventor	Hwang et al.
Group Art Unit	
Examiner Name	
Attorney Docket Number	ATI 130re

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	1	4,112,411		Alais et al.	9/1978	
	2	4,119,938		Alais	10/1978	
	3	4,282,452		Hassler et al.	8/1981	
	4	4,572,203		Feinstein	2/1986	
	5	4,844,082		Fukukita et al.	7/1989	
	6	4,865,042		Umemura et al.	9/1989	
	7	5,086,775		Parker et al.	2/1992	
	8	5,135,000		Akselrod et al.	8/1992	
	9	5,224,481		Ishihara et al.	7/1993	
	10	5,233,993		Kawano	8/1993	
	11	5,241,473		Ishihara et al.	8/1993	
	12	5,255,683		Monaghan	10/1993	
	13	5,302,372		Lin et al.	4/1994	
	14	5,456,257		Johnson et al.	10/1995	
	15	5,469,849		Sasaki et al.	11/1995	
	16	5,482,044		Lin et al.	1/1996	
	17	5,632,277		Chapman et al.	5/1997	
	18	5,706,819		Hwang et al.	1/1998	
	19	5,577,505		Brock-Fisher et al.	11/1996	
	20	5,902,243		Holley et al.	5/1999	

FOREIGN PATENT DOCUMENTS

Examiner Signature			Date Considered	9-30-05
-----------------------	-------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------	--------------------	---------

*EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box

PTO/SB/088 (10-96)

Approved for use through 10/31/99. OMB 0651-0031

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

四百

2

2

Complete If Known

Application Number	09/481,814
Filing Date	January 11, 2000
First Named Inventor	Hwang et al.
Group Art Unit	
Examiner Name	
Attorney Docket Number	ATL 130re

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<i>SM</i>	21	CHURCH, "The Effect of an Elastic Solid Surface Layer on the Radial Pulsation of Gas Bubbles." JASA v.97, No.3, Mar. 1995. 1510-21.	
<i>MR</i>	22	MILLER, "Ultrasonic Detection of Resonant Cavitation Bubbles in a Flow Tube by Their Second-harmonic Emissions." Ultrasonics. Sep. 1981. pp.217-224.	

**Examiner
Signature**

Date
Considered

9-30-01

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231.
DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

